



CITY OF HORSESHOE BAY ELECTRICAL GUIDELINES FOR GRINDER SYSTEMS

The following list of requirements must be completed for all grinder systems. All requirements must be fulfilled, checked off and signed by a licensed electrician prior to the final inspection being performed. Failure to meet all the following requirements may result in a reinspection fee.

Service installation address: _____

1. _____ ALL GRINDER CONTROL PANELS ARE 240 VOLT - SINGLE PHASE SYSTEMS
2. _____ PANEL MUST BE INSTALLED TO A **MINIMUM** OF 4' **ABOVE FINAL GRADE**, MEASURING FROM FINAL GRADE TO BOTTOM OF PANEL.
3. _____ PANEL MUST BE INSTALLED ON OUTSIDE WALL OR APPROVED DEVICE, AND NO FURTHER THAN 20' FROM GRINDER BASIN. IF THIS CANNOT BE ACHIEVED, ELECTRICIAN IS TO CONTACT THE CITY INSPECTOR OR THE CITY FIELD OPERATIONS SUPERVISOR @ 598-8741 OR LC MUD # 1 @ 598-5460.
4. _____ EACH PANEL SHALL HAVE A SEPARATE 240-VOLT 30 AMP MINIMUM 4 WIRE CIRCUIT. THIS CIRCUIT MUST BE TERMINATED INTO AN APPROVED RAIN TIGHT 30 AMP MINIMUM A/C TYPE DISCONNECT. CIRCUIT BREAKERS SUPPLYING THE DISCONNECT MUST BE 2 POLE 30 AMP OR IF SINGLE POLE WITH APPROVED TIE BAR.
5. _____ PANEL SHALL BE MOUNTED A DISTANCE OF NO MORE THAN 15' FROM ELECTRICAL DISCONNECT. PER NEC ARTICLE 430.102B THERE SHALL BE NO OTHER WIRING TERMINATING OR LEAVING THE PANEL. MOUNTING EARS OR BRACKETS MUST BE USED. DO NOT DRILL THRU BACK OF PANEL.
6. _____ LIQUID TIGHT CONDUIT OR SCHEDULE 40 ELECTRICAL PVC PIPE IS ACCEPTABLE FOR USE ON BOTH THE DISCONNECT AND PATHWAY FROM THE PANEL TO THE GRINDER BASIN. 2" CONDUIT IS REQUIRED FROM THE PANEL TO THE GRINDER BASIN. 1" ON GATOR GRINDER SYSTEMS IS ACCEPTABLE.
7. _____ ALL CONNECTORS MUST BE APPROVED RAIN TIGHT FITTINGS, GLUING OF PVC FITTINGS TO CARFLEX IS NOT ACCEPTABLE.
8. _____ ELECTRICAL SWEEPS ON SCHEDULE 80 CONDUITS MUST BE USED, NO WATER 90'S ALLOWED.
9. _____ ELECTRICIAN WILL PULL THE PUMP WIRE AND FLOAT WIRES, IF APPLICABLE, TO THE GRINDER PANEL AND LEAVE 12" OF WIRE IN THE PANEL, NO WIRE IS TO BE CUT, AND ALL EXCESS WIRE IS TO BE LEFT IN GRINDER BASIN FOR CITY PERSONNEL TO REMOVE.
10. _____ IF ANY WIRES ARE CUT, THE ELECTRICAL CONTRACTOR WILL PAY FOR REPLACEMENT OF SAME.
11. _____ A 2" VINYL HUB IS SUPPLIED TO THE ELECTRICIAN FOR CONNECTION OF THE CONDUIT FROM THE PANEL TO THE BASIN AND MUST BE USED. THE INSTALLATION OF THIS HUB IS THE RESPONSIBILITY OF THE ELECTRICIAN, NOT THE PLUMBER. FOR E-ONE AND GATOR SYSTEMS A 1" LIQUID TIGHT CONNECTOR IS ACCEPTABLE. ALL HUBS AND BOOTS ATTACHED TO BASIN MUST BE SEALED WITH SILICONE OR OTHER WATER PROOF MATERIAL
12. _____ ELECTRICIANS **ARE NOT** TO CONNECT ANY WIRING INCLUDING, LINE SIDE POWER TO GRINDER PANEL. LINE SIDE WIRING MUST BE BLACK AND RED, PLUS WHITE FOR NEUTRAL AND GREEN FOR GROUND. WIRES FROM DISCONNECT TO GRINDER PANEL MUST HAVE WIRES CAPPED OFF WITH NUTS.
13. _____ ON E-ONE AND GATOR GRINDER SYSTEMS, A MINIMUM OF 1" CONDUIT IS REQUIRED, UNLESS OTHERWISE DESIGNATED BY THE CITY.
14. _____ NOTE: GRINDER PANEL SHALL BE MOUNTED SO AS TO ALLOW EASY AND REASONABLE ACCESS BY CITY PERSONNEL. CONTROL PANEL SHALL NOT BE OBSTRUCTED BY A/C UNITS, POOL CONTROL EQUIPMENT, FENCING, HALF WALLS, PROPANE TANKS, ETC. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO ASSURE THAT THE CONTROL PANEL CAN BE EASILY ACCESSED FOR FINAL INSPECTION. THE CITY WILL NOT PASS ANY GRINDER FINAL INSPECTION IF THERE IS ANY OBSTRUCTION BLOCKING ACCESS TO THE GRINDER PANEL OR BASIN.
15. _____ ONCE THE ABOVE GUIDELINES HAVE BEEN MET AND CHECKED OFF BY THE ELECTRICAL CONTRACTOR, THIS FORM MUST BE SIGNED AND RETURNED TO THE UTILITY DEPARTMENT OR FAX TO 830-598-2977.

● REFER TO NEC: CODE 110.26 A

SIGNED THIS DAY BY _____ DATE _____

COMPANY NAME _____ PHONE NUMBER _____